

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q97393

Yasufumi YOSHIURA, et al.

Appln. No.: National Stage of PCT/JP2005/005381

Confirmation No.: Not yet assigned

Group Art Unit: Not yet assigned

Filed: September 26, 2006

Examiner: Not yet assigned

For: MOTOR CONTROL APPARATUS

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicants enclose herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents (International Search Report for PCT/JP2005/005381 dated July 12, 2005), together with an English-

INFORMATION DISCLOSURE STATEMENT

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language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office. Also, JP-A-10-248286 and JP-A-2002-229605 are cited and discussed on page 6 of the specification of the present application. Additionally, English-language abstracts, submitted herewith, provide concise statements of relevance for JP-A-10-295092, WO-A1-00/70739, JP-A-9-93972, JP-A-2001-249720, JP-A-10-248286 and JP-A-2002-229605.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: September 26, 2006

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	National Stage of PCT/JP2005/005381
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Filing Date	September 26, 2006
First Named Inventor	Yasufumi YOSHIURA et al.
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	Q97393

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
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		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	10-295092	A	11-04-1998	SANKEN ELECTRIC CO., LTD.	Abstract
		WO	00/70739	A1	11-23-2000	MITSUBISHI ELECTRIC CORP.	Abstract
		JP	9-93972	A	04-04-1997	TOYO ELECTRIC MFG. CO., LTD.	Abstract
		JP	2001-249720	A	09-14-2001	MITSUBISHI ELECTRIC CORP.	Abstract
		JP	10-248286	A	09-14-1998	FUJI ELECTRIC CO., LTD.	Abstract
		JP	2002-229605	A	08-16-2002	YASKAWA ELECTRIC CORP.	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		ISOGAI et al., "Application of an Observer to a Motor Control System", 19 th SICE proceeding, pp. 371-372, (1980)	
		OISHI et al., "A Control Method of a Separately Excited Direct Current Machine Using a Stage Observer", Electric Society Proceeding, B45, pp. 373-379, (1984)	
		M. NAKAO et al., "A ROBUST DECENTRALIZED JOINT CONTROL BASED ON INTERFERENCE EXTIMATION", IEEE Trans. Industrial Electronics, IE-34, pp. 326-331, (1987)	
		TSUTOMU MIASHITA et al., "A Tuningless Control of a Motor", pp. 47-52, (2000)	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to indicate here if English language Translation is attached.